Paper March 9 1828 #6 Inaugural Essay Wounds of the Articulations Vor the digne of Doctor of Medicine in the University of Pennsylvation . -Hughart & Montgomery

Virginia.

bommuna qued est no teums estuni dicar Philadelphia Inquet 1827.

To one, not acquaintees with the fact, it may appear somewhat strange, that in the records of durying these is severely to be found a satisfactory treatise on wounds of the joints.

Few authors have touched upon the subject, and those few in a manner so cursory, as to leave our knowledge of those accidents, quite limited . Whather their silence be owing to the extreme simplicity of their treatment, not differing in any degree from wounds in other parts; or to their occasional immes diate and unexpected fatality, not admitting of practical investigation, 3 shall not take upon my self to determine Perhaps a more pulpable reason may be found in the melancholy fact, that there is no postion of the human dissection more grafily negliced by the student of anatomy, or lap generally under stood by the young practitioner of surgery, than the stoucture and vital habitudes of the articulations, \_\_\_\_

in around of a joint image defined a devision or from which was of the englander liquinest. In whitehing in the experied theory is programtly a leiter of the fatigues distributes in foreign and bours. There we meany remains of their accidents amond by puretiming investigations or instead by any westerning instruments, or instead by any westerning in the most of the accidents of the moderning in the continues of the appetrum attitudent on the moderning of the principal properties are not present in the work or accomplising any unific wearing a pain invessed heart of the part reading, turnification and arms or ligs with or account or a figure of the principal principal

The majorn is generally on abled to determine whater the county of the joint he injured ones by the direction of the wound, and by the direction of the would for him houses then nitheless in this fluid is it may much our be in the direction in this fluid is it may much our be that direction from the best amount our best that directions. By a relate toward



cares when this discharge might readily have been mistaken for true zynovia. Should this circumstance not have been noticed at first, the surgeon may cause it against flow by gently pressing upon the part. In our examinations of such injuries we consist be too cautions or sparing in our use of the probe. Amuch unious injury doubtless has asisen from the Ato officious application of this intonment in the hands of ignorant practitioners. The tender autherious which may have formed or am beginning to forme and broken up, and the initability and inflammation of the wound greatly augmented. Is the information gained by such interperence can lead to no person trial conclusion, we abould in doubt ful cases treat the wound as though it were neally a can of sufetur of the capsule. - In general says Boyon wounds of the joint are not clargering of property and tim ously attended to; but to this general mule we must admit many exceptions. The records of rungery.

promish incumenable in stances in which the most



fatal and alarming consequences curred from wounds apparently the most simple; so that in drawing a compen ative estimate of the different terminations of recorded cases, we are at a logs to ditermine whether to consider the majority as anding favourably or otherwise. I knowledge of these facts, should make us very controus in expressing our prognosis: in forming which we went be quided by the extent of the wound, sine of the joint, the vicinity of important nerves and blood vessels, the constitution of our patient, his age and previous habits, the climal and season of the year, fainlity of pronuning suitable aumunoday tions, and the likelihood of his being well attended to. Down hennys and resopula says Hannen are insuperable bass As offerting a sure under any circumstances. -The first and grand undication in the treatment of wounds of the astrulations, is to guard against inflammation and its consequences; to ever our extends and avour to prevent suppuration, and head the wound by the first intention. To accomplish these and we must remove all foreign dubstances, secure of magrang the bleeding vernes,



relyter openints the de willed enlages of the war of a me retain them in Athat citrention by allowing stripes. The saint being I write in and west once says broger as to more the more of with conferepresent with with some need and liquid and our over " wrend up should be appreced or orderably tight. By this havined with in the corner to from - six days . In addition its And the atment here for for it we would satisfy mean are at the application of he to becomest; if part in biand me , the many of . There is one of the ment effectual means we can make need for exclude, the attended while so often browns, inclinately, an a westing own of the infla were not to be after earl to. The ereal beats and must be requested by the notions and extent of the mounts. The feelings of the patient must be so metal an of the themployment will broken one would blitter,



have been memorished and when we'll kinet a second with bourfriend but judging from undagg on must any Heat of the formal and the application between the an amount way, by suppliers of a well inflammations buttones about most to modificate to make if they can proselly be dispersant within the thirty boundaries to make the surgestified partially acres; when the surgestification of the sur

If in april of all our analyses to present our about a preor housest in other analyses the great was about it was a builty, we would it as machine four invitations into the absence. This best promotion is not succeeding all of the authorities but a strong it is morable within by four invariants but a strong it is morable within by four invariants to discharge their flexil them to enjoy it is amonto and surpose and become a surpose of initiation.

Boyan Attin be then engiseeer of the joint by no meaning so beentful in the stagement must the face mothern it. Then is a remark of frequency factors factorished by to so remained at an en-terminal it is that the surgeon



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should, comfully worth the condition of his feetent when the equilations of inflammation can shout subsiding. The system will then few the expects & the autiflogistic treatment and will rapidly in k, if the surgeon like a vigilant unitimal does not keep always on the book unt and by a well timed interpresent present in amost destroy has partent with this presided we stomed gim out wine, comehouse bottles succeedent found, stone When our final that amolinglasis will be the our a world the consequence we should enough that position for the innet want lakely to your except to men portion of; it it be an eibow the home were should be Hereel at eight angles it. Atm some item may should be watershot.

which there generall as a sole in monate of the article later as we will prome and to the account of the later to the later to the account of the later to the later



I shall foreme that diverson of the subject marked old by property Ruger, and speak first of Servelle punctured woulds. By a simple persolumed mount in understand, one formed by a namon pointed instrument the external report of which was no relation to its elefath. This she emption of wowners is casteris paribus, much sume danderous and difficult of management than simple incide wan notes This very be asserted to their great stepth to trainfung done to the bebres to is difficulty of recovering foreign substances and of making sufficient exemination. Postperierre tenches us that inflammation some readily received in such ware news. Them is a popular foregustice in passer of damy than warmeds which is certainly very permicious. From an anoneaus balief that Athe difficulty of healing such injeries arises from the norman " inj. of the enternal ofming, rown surgeons are in Ati habit of making free incisions for the purpose, as they say, of converting it into a simple incurred wound. This practice says famuel Gosper is in no will to be in itated - With out fasther notining



the absence instead of many authors in this subject? son fully convinced that then best function is to him; the prosts in context, to enclearments had the mount by the first in tention, and to pay strict attention to the general business him to form mentioned.

Simple inviscel enamedo come next in order. they differ little in synaptoms from those just mention ad and negrine much this same treatment, any Hing we could have by would amount to little more Attan a recognitulation of what was here said when treating of warends in general, or wanted be anticipation of what shaws yet to say when in the twent went of comfolirated warmels. They fore sent only our endication which is that of hearing the mound by the perst intention. The programs is very semeraly preservable when this has been uttended who me lander Atom Hiterest and east demoise of this embject we well consider complicated wounds of the joints. Since gam shot manuals of their parts present nothing preadier in their symptoms or



breakingth of shall now faithful consistent them as a distinct offerware them by subthining their neglectures of the reason of the state of the stat

We become a lower executive Heart warrants in the actival Heart homes about a lower from the control of the second of the second

When an immeritar enge larger what absured all another and a more products or who joint that have her a her minestably observed and an invinite them is ever fractioned as electrosestemen to forward adherman, while by the first extractions and fraction and consider another and are other and experit in a consideration and the comment about the continuous to the infantage and in a the interpolation of it is not the interpolation of an agreement.



membrane, and to the cartilages and hally ... attin within the joint. We know by enformency continues the same without that the action of air in parts not notice up accostomed to its enfluence and expecially sevans membranes is to exect inthans mation. In the most sentime he says that are comment be considered as the only cause of inflowmention of joint, Athen an mountain front often succeed to warrieds so reasons and oblique that this fluid cans not enter, in other cares inflammation occurs two suddenly to have been produced by its in sevener. The is for marked that mounds of the contillage and houses into ofer disprings, arrows in regioners, modul condition of the patient, may all contribute to origine of inflammation, and perhaps it may. wire from one of the whom mentioned course dittle experience is necessary to convince any our

About the wiews taken by this sulting of this subjects we incorrect. is regard, his relien of are always for ving



the cause of initation and inflammation when applyed to emphrees not accustomed to its influence, this is an oficion lane since exploded, as many de shown by the experimenents of B" Physich and others. Revioles do une not dayly see juints amportated and the synowical membrane exposed for a considerable length of turn in contact with this first and get are bad correquences verelt. From the confidentity of his record semante to the case in justion -That air cannot be always considered as the cause of influention in wounded joints is now admitted. Emplammation of a very revious character may and with dose occur in joints that have never been wound ded or mechanically injured in any every-Berneles we cannot concer in the belief that enflama mation over arises from wounds of the cartilages. Then substances owing to their want of vareularily for a. exist the inflammatory process. bartilages it is time ". my be absorbed and the head of the inceres there brought in contact may cause inflammation, but



this is an evil nentting from the unseen, not the foreseen, of cartilages.

If then it be not the action of the air on the exposed symmet a combinance that soudiness were aggranated si, injetoms attendent on normals of the points, to what cause it may be rekeduar we attribute interes? . We may very restrictly one of the alerth wom reason suformer it at one extremenanted blood of not the may 13the most common cause of their moderation . Therfluid being dethered the ough the east of the joint and oning in out art author it ... , in short time undergoesthe metri faction in me totion. and this exection great insitate around in flow motion of the delicate symonal over brance - -That air when admitted to come in contact with congulated blood well newster it putines and consequently instating no me unte foreland to dering . So well salisfied was pelleter of that he made it a now never to ofeen a termour could ing extraxarated blood unless it was



so situated that it could be entirely removed. It is he however be should and vis admitted into the auit, emotione of blood, it will soon justify a become constation producing explanamation and the cost is save sloughing - This view so fairest in last to come with original suggestion is & Thomas Harris of the United states racing; who had another observing of trotong its werasity during our law wars when the premartion of do: the costemal warred had not have where veel or the appeared be over supposed to suman in the joint, he almost invasiably found the symptoms both count tertional and ineal smeathy agg avalue Er Will som when tracting of warmels of

the joints, makes the following observation, " to present when the west thank themself times blance in extreme south and the new try of a joint it will either love it living formers than and there written is he any other extraores sufficient to be phenomeny variables it



will distroy be smoothings of the Egrowial membrane to which it is united and thus produce analylosis allhough it may appear presumption. me to differ from so high authorit, yet I coment comme un! the or unbourt. His idea of the blooms is. its vilality is convert, but Atrot it wer becomes was celler in the joints is an error to which few feath. day ists of the ' event day will yield their assent. I am der! . It to Attink indeed that had it not been for his quest partiality for the inions of no Hunter, his own experience war ban taught him that I reverse was true ? count believe Atial the blood becomes vareula, in the cavity of joints, or ad hears to the regenerical membrane. This mes brane way from inflammation Unow out congulable lighty, and there become thicker as and rough, but from the natural secretion which lubricates its surface, and the above timmediate putripact or furmentation which takes place when the air has not been excluded, I am last to



the conclusion that there would not be sufficient time a cought of time well get as wast an expension never yet it was absorbed with and the smarkest inconvenience. Arrowt writers, vays, summer booker, speak of collections of blood in the enough of joints but hethinles it a very vane occurance, turnous inthe neighbour hood of joints and such as one severally considered as within in the externa lar legament are, he Atom know the out Sir ed Cooper when treating of compound dislocations of the uncle pent observes that the causes of the violence of the eyen fetours are the women winch as maid into the joint and the no mention of the blood as herry an important



agent in their productions we indeed our Pable to find my witten who has confugged such an ofen, more

Alti. this exception digregation but as notion to Atu consideration of complexated would of the joints On this profits day and some times somer symptoms of inflammation commence, with him aggravation of all the symptoms before mentioned. We have pain in the head and back of the week, naurea and wounding the stern is time and showing, the lifes of the wanted become frale blooked, and discharge a Akin consourfluid the toury become praveless and dry of a da. to brown or pale yellow colour Atrinet, hunried respiration, fever, delineum. and sometimes tetumis; the synoven is inemared in quantity and becomes there. To these symps. turns renecced rupper rection press is formed and accumulated in the cavity of the joint; the ligaments and cartilages become relaxed, poin becomes excusioning and the patent dies



If the counted when is able to weather out the first type of times at them ignored in characters of heatie come one, chilipperstion dayly increases in agreement my properties of heatie come one, colliquet is chieved one in a with our stime, which constrong which abeatings the fractions of the patient countering much by large ly dispertitions. It sometimes heaffaces that there ignosphere this is a few in the out of the countering of the countering to the countering of the countering the countering of the whole is an explanation welling ampertation in case is where its secure is considered and properties of the presentation of the in the institute is the countering of the presentation of the in dissidered.

the problem is a straight or problem in the problem of the problem is the problem in the straight or the straight of the problem is the problem in the straight of the problem in the straight of the problem is the straight of the problem is the straight of the subject of the s



be coars and from too parases of - case is award on Alex weaper of Me Homer, in which it is stated Went the feature lost tur landout and fifty rums & love in some days of the of the food alward alway that line, was so sure in grantily and soinfel in quarty us not to have I am insposed over by the deal of Valsalna. We should give as has driver objectory model appeared a edicines anaperating entress to the limb wed after the symptoms of water for mention have subsided a large distriplaced over the warmly and whose its heating the comb frespect y whice. Literes as above stated should not be reset in defer minuting the divinced edges of the account or where used, we cannot be too careful in working the. capsule and compining the stitches to the integrements acone. When four is somed we must speedily evanually it by weathing just insistent in the me it depending eleting discouraging it interstant stammer we were.



Dotal went Dogs we of a different openious they recommend to be a finished to be invested and all present smalls come hadly construct and the openions to one more protection on the construct to an openion way they william as actively of a princip in our mentions and the openion of the confidence of a second of the confidence for make the a second of the confidence in present on the construction is presented to see the construction of the confidence of the confidence of the confidence of the construction of the constructi

traffermentiam having richterlash are morely give to general shift, much as mine, fertire and books. It an enternal application and this provided Borger recommended to elementiam of consistence and branching. Generalist a elements common the branching, of the first enternals consistence to the best point in the first enternals for the enternals to the first enternals to the traction of the traction of the traction of the enternals of the entern



for however harmley a ball may be whilst losged and marcular part, or an ougst callular members, in the executy of a joint it cannot fail to execut the most remiser applytones. If the ball cannot be field by the forobe or if it he finning imbeded in the lead of the forobe or if it he finning imbeded in the lead of the forobe or if one not to be enough in the cantillation of the forote me time let suffer to the remain, in hopes that suppression may bring it away. In the morantim cleaning spoulties are to be applied in the improvidence are to be applied and influenting symptoms the for the foroble in the first in to be considerable. The improvidence is the let a considerable to the sould make the land and leeping it prefetly still.

Very zone and agreemed as to their five finally of comparation the moments of their joints; one instead countries have been been been any definite rate land clause, we cannot ever at a course for give a face of the agent every device, but of the made in the land of the agent face of the course of the made in the land of the course of th



Them can be little doubt of the proposely of any few tother where the assessment is overession and the principal blood result are supplicated and the

But upon the whole it is difficult to studiete on the propriety or impropriety of the operation. Basis are recorded whom the three three bear. Here on peter and the thirty and the thirty and yet a cene was readily anotherwise. Operations have been determined on, but prevented by some accident, and determined on, but prevented by some accident, and dearing the delay, the providence that has measured.

. We must indeed leave it to the good judgment and previous experience of the

Since writing the along of have made in one of the surveyork journals a shoot treatier on many more than the strong of the species of black litting in the treatment of their injuries



As I am not conveneed by any arguments he has addressed, of the impropriety of the treatment have in orcanimendal, I shall make no alterations or amendments. We adorate mon then so Browner, with the res sempatients destroyed by the different of breatments. We approve highly of all the local applications remembed highly of all the local applications remembed highly of all the local applications remembed they that gentleman, but can not thenk it



